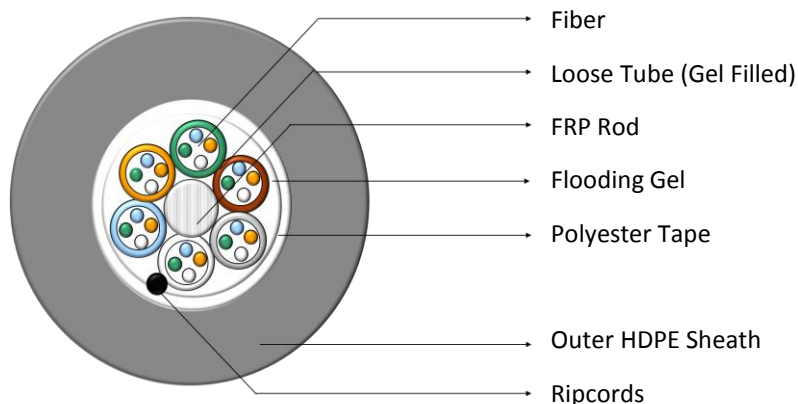


Unarmoured Cables **Multitube Single Sheath**



Features

- This design offers a reliable transmission performance over a broad temperature range.
- Multiple fiber types, including hybrid.
- High Fiber density.
- Flame Retardant (Optional)
- Multiple Network applications

Applications

- Underground duct and lashed
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details

Optical Fibers are placed inside filled buffer tubes containing gel. The core is constructed by stranding the buffer tubes around a central member. The core is covered with a water-blocking tape and a black outer sheath is applied. Ripcords are included under outer sheath for ease of entry.

Specifications

Cable Configuration					
Fiber Count	Number of Fibers per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
2-12F	2	1-6	9.0	65	1000
24F	4	6	9.0	65	1000
48F	8	6	10.0	75	1500
96F	12	8	11.0	100	2000
144F	12	12	13.5	160	3000

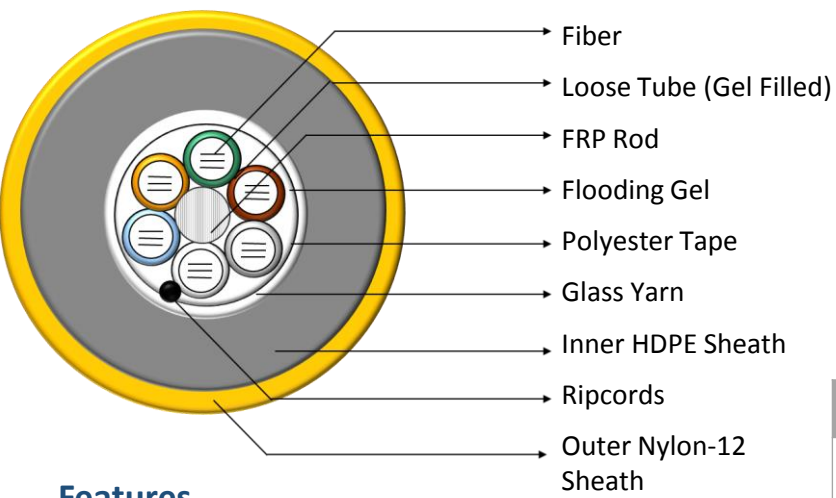
Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900

Unarmoured Cables Ribbon Multitube



Construction Details

Fibers ribbons are placed inside gel-filled tubes. Each tube contains up to 12 discretely identified, 12-fiber ribbons for maximum design load capacity of 576 optical fibers. The core is helically wrapped with water-blocking strength members. Ripcords are included under the inner sheath for ease of entry. A Nylon-12 outer jacket protects the cable from rodent bites.

Specifications

Cable Configuration					
Fiber Count	Number of Ribbons per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
48	1	4	19.0	280	4000
96	1, 2	2 tubes with 1 ribbon 3 tubes with 2 ribbon	19.0	280	4000
144	2	6	20.5	340	4500
288	6	4	24.0	525	6000
576	8	6	30.0	740	6000

Features

- This design offers a reliable transmission performance over a broad temperature range.
- Ribbon Fibers – 8 fibers per ribbon
- High Fiber density up to 576 fibers
- Improved compressive strength
- The Nylon-12 outer jacket protects the cable from rodent bites
- Multiple Network applications.

Applications

- Underground duct and lashed aerial
- Trunk distribution and feeder cable
- Local loop, Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900